

EQUIVALENT CIRCULAR PIPE DIAMETER	2 $\frac{2}{3}$ " x $\frac{1}{2}$ " CSPA & CAPA		① CSPA AND 3" x 1" CAPA		6" x 2" CSPA		9"x2 $\frac{1}{2}$ " CAPAASB		RCHEP	
	SPAN (INCH)	RISE (INCH)	SPAN (INCH)	RISE (INCH)	SPAN	RISE	SPAN	RISE	SPAN (INCH)	RISE (INCH)
15"	17	13								
18"	21	15							23	14
21"	24	18								
24"	28	20							30	19
30"	35	24							38	24
36"	42	29							45	29
42"	49	33							53	34
48"	57	38							60	38
54"	64	43	60	46					68	43
60"	71	47	66	51					76	48
66"			73	55	6'-1"	4'-7"			83	53
72"			81	59	6'-9"	4'-11"			91	58
78"			87	63	7'-3"	5'-3"	6'-11"	5'-9"	98	63
84"			95	67	7'-11"	5'-7"	7'-9"	6'-0"	106	68
90"			103	71	8'-7"	5'-11"	8'-5"	6'-3"	113	72
96"			112	75	9'-4"	6'-3"	9'-3"	6'-5"	121	77
102"			117	79	9'-9"	6'-7"	9'-11"	6'-8"	128	82
108"			128	83	10'-8"	6'-11"	10'-9"	6'-10"	136	87
114"			137	87	11'-5"	7'-3"	11'-5"	7'-1"	143	92
120"			142	91	11'-10"	7'-7"	12'-3"	7'-3"	151	97

CHART KEY

2 $\frac{2}{3}$ "x $\frac{1}{2}$ " CSPA: CORRUGATED STEEL PIPE ARCH
 3"x1" OR 5"x1" CSPA: CORRUGATED STEEL PIPE ARCH
 6"x2" CSPA: CORRUGATED STEEL PIPE ARCH
 2 $\frac{2}{3}$ "x $\frac{1}{2}$ " CAPA: CORRUGATED ALUMINUM ALLOY PIPE ARCH
 3"x1" CAPA: CORRUGATED ALUMINUM ALLOY PIPE ARCH
 9"x2 $\frac{1}{2}$ " CAPAASB: CORRUGATED ALUMINUM ALLOY PIPE ARCH
 WITH ALUMINUM OR STEEL BOLTS
 RCHEP: REINFORCED CONCRETE HORIZONTAL ELLIPTICAL PIPE

NOTES

① 3"x1" OR 5"x1"

KENTUCKY DEPARTMENT OF HIGHWAYS	
NON-CIRCULAR PIPE ALTERNATES	
STANDARD DRAWING NO. RDI-016-02	
SUBMITTED: <i>David Kott</i>	11-21-07
<small>DIRECTOR DIVISION OF DESIGN</small>	<small>DATE</small>
APPROVED: <i>Matthew M. Matthews</i>	11-21-07
<small>STATE HIGHWAY ENGINEER</small>	<small>DATE</small>